BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 20.00Lakhs

Name of Work:-Construction of drains and culverts in asphalting to cross roadsof GKVK layout in ward no 04

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 360-1 Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift up to 1.5m,excavated surface leveled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
	Hanumappa layout road		1	55.00	4.80	0.25	66.00		
	Cross road		1	48.00	4.30	0.20	41.28		
	13 th A Cross L/side		1	70.00	0.90	0.65	40.92		
			1	40.00	0.90	0.60	21.60		
	Cross road		2	47.00	0.90	0.50	42.30		
	Culvert		1	9.00	1.20	0.80	8.64		
							220.74	75.60	16688.00
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	75.60							
2	KSRB 4-1.3.Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal course aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation, including cost of all materials, labour, HOM of machinery,curing complete as per specifications. Specification no KBS4.1.4.2(Item no4.3,Page no12.PWD SR 2014-15)	Cum							
	13 th A Cross L/side		1	70.00	0.90	0.15	9.45		
			1	40.00	0.90	0.15	5.40		
	Cross road		1	47.00	0.90	0.20	8.46		
			1	47.00	0.90	0.15	6.35		
	Culvert		1	9.00	1.20	0.19	2.03		
							31.68	4847.04	153554.00
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	4847.04							

	4.2.2 : Providing and laying in Reinforced cement concrete of mix M20 with OPC cement @ 7.5kgs with 20mm and down size graded metal coarse aggregates @0.9cum and fine aggregates @0.45cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum							
	13 th A Cross L/side		1	70.00	0.90	0.12	7.56		
			1	40.00	0.90	0.12	4.32		
	Cross road		2	47.00	0.90	0.15	12.69		
	Side walls		2	70.00	0.15	0.70	14.70		
			2	40.00	0.15	0.70	8.40		
			4	47.00	0.15	0.60	16.92		
	Madaru layout 6th A Cross near Culvert		1	9.00	1.20	0.20	2.16		
	Side walls		2	9.00	0.20	0.70	2.52		
	Deck slab		1	9.00	1.20	0.23	2.48		
	Approaches		1	8.00	0.75	0.15	0.90		
			1	7.00	0.85	0.15	0.90		
							73.56	6065.28	446162.00
	Basic rate	5616.00							
	Add 8% AW	449.28							
	Total	6065.28							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(PWDSR2014-15,p.no17,s.no4.46)	Qtl							
	95 kg / cum							69.88	7905.60	552459.00
	Basic rate	7320.00							
	Add 8% AW	585.60							
	Total	7905.60							
5	KSRB 4.6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness. attached pilasters,bitresses,buttresses plinth and string course including cost of all materials,labour complete asperspecification. Specification no.KBS 4.6.2(pwd sr2014-15,p.no15/4.31)	Sqm							

	11th A Cross L/side Side walls		2	70.00		0.60	84.00		
			2	40.00		0.60	48.00		
			2	70.00		0.65	91.00		
			2	40.00		0.64	51.20		
	Deck slab		1	9.00	0.60		5.40		
	Side walls		4	9.00		0.70	25.20		
							304.80	292.68	89209.00
	Basic rate	271.00							
	Add 8% AW	21.68							
	Total	292.68							
2	Providing and living Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	11 th A Cross L/side		1	70.00	0.90		63.00		
			1	40.00	0.90		36.00		
	Cross road		1	47.00	0.90		42.30		
			1	48.00	0.90		43.20		
	Missing slabs		25	0.90	0.60		13.50		
							198.00	1245.00	246510.00
3	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications, MORTH Specification: 406 (PWD SR 2014-15 P.N:154 & 20.18)	Cum							
	Hanumappa layout road		1	55.00	4.80	0.15	39.60		
	Cross road		1	48.00	4.30	0.15	30.96		
	pot holes		3	2.70	2.30	0.10	1.86		
			2	2.40	2.00	0.10	0.96		
			6	1.20	1.20	0.10	0.86		
							74.25	1438.56	106809.00
	Basic Rate	1332.00							
	Area Weightage 8%	106.56							
	Total	1438.56							

8	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications, MORTH SpecificationsNo502 (ITEMNO21.6,Page no157,PWD SR 2014-15)	Sqm							
	Hanumappa layout road		1	55.00	4.80		264.00		
	Cross road		1	48.00	4.30		206.40		
	pot holes		1	2.76	2.30		6.36		
			2	2.40	2.00		9.60		
			6	1.20	1.20		8.64		
							495.00	35.21	17428.00
	Basic Rate	32.60							
	Area Weightage @ 8%	2.61							
	Total	35.21							
9	KSRRD M500-18,Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading,premixed with bituminuus binder and filler, transporting the hot mix to work site,laying with a paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tander rollers to achievethe desired compactionasperMORTHSpecificationclause no508completeinallrespectscompleteas perspecifications,using100120THcapacity H.M.P with sensor paver grading(35-40mm) with 4.5% CRMB 55 grade (Item no21.21.1,Pageno16 D 2014-15)	Sqm							
	Hanumappa layout road		1	55.00	4.80	0.025	6.60		
	Cross road		1	46.00	4.30	0.025	5.16		
	pot holes		10	2.70	2.30	0.025	1.55		
			2	2.40	1.85	0.025	0.22		
			6	1.20	1.20	0.025	0.22		
							13.75	10195.20	140189.00
	Basic rate	9440.00							
	Add 8% AW	755.20							
	Total	10195.20							

	Loading and unloading sand/ stone boulder/Stone metal/ earth Moorum/ASR -1/Placing tipper at loading site with front end tipping/turning for return trip/ave lift haulage and trip complete as per specification no17.1/Page no D.SR.2014-15)	Cum						
				Sub Item No. 1		220.74	68.04	15019.00
	Basic Rate	63.00						
	Area Weightage @ 8%	5.04						
		68.04						
							Total RS	1784026.00
1	LABOUR CESS CHARGES							196242.86
2	Local QC CHARGES							17840.26
3	Miscellenious and Unforgen Charges	1.08						1890.88
							Grand Total RS	2000000.00

(Rupees Twenty Lakhs Only)

CERTIFICATE

1 The work orall has been inspected and the work is found necessary.
2 This estimate is prepared as per CSR of 2014-15
3 The provisions made in this estimate are reasonably and adequate
4 This works come under B.B.M.P limits.

Assistant Engineer

Assistant Executive Engineer
Brunat Bangalore Mahanagara Palike
Yelahanka New Town Sub Division

Executive Engineer
Brutal Bangalore Mahanagara Palike
Yelahanka Division

Administrative Approval
Accorded for Rs 20.00 lakhs

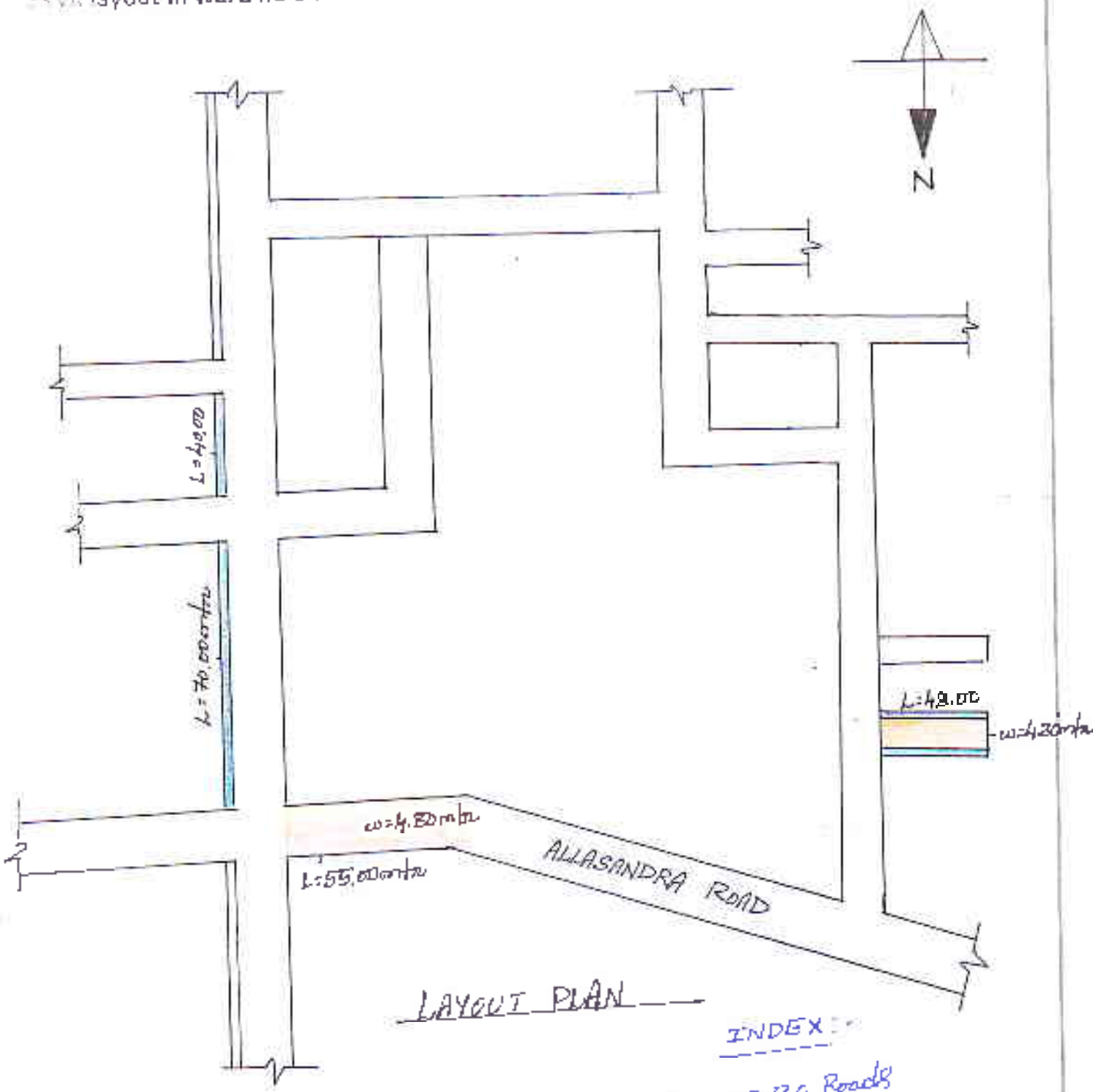
PO 190

BBMP/YNK/CE/AA/SO/14-15 6/01/14

Ready Lack only
PO 190 - 20.00 - 15

CE/YNK/TS/ICCU-15
CE-III Dept Yelahanka

Name of Work :- Construction of drain and culverts in asphalting to cross roads in KEVK layout in ward no 04



LAYOUT PLAN

INDEX :-

I - SDBC Roads

II - R.C.C Drain

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